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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN

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NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:34:28 ON 20 JUN 2003

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=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 15:34:41 ON 20 JUN 2003

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FILE COVERS 1907 - 20 Jun 2003 VOL 138 ISS 26

09963680

FILE LAST UPDATED: 19 Jun 2003 (20030619/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17-methylene steroids

587388 17

108691 METHYLENE

103724 STEROIDS

L1 7 17-METHYLENE STEROIDS
(17(W)METHYLENE(W) STEROIDS)

=> s 11 full

587388 17

108691 METHYLENE

103724 STEROIDS

L2 7 17-METHYLENE STEROIDS
(17(W)METHYLENE(W) STEROIDS)

=> s 17-methylene steroids full

587388 17

108691 METHYLENE

103724 STEROIDS

L3 7 17-METHYLENE STEROIDS
(17(W)METHYLENE(W) STEROIDS)

=> d 12 1-7 ibib hitstr abs

L2 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:184859 CAPLUS

DOCUMENT NUMBER: 136:247741

TITLE: Method for the production of 17-
methylene steroids and

pharmaceutical compositions containing them
INVENTOR(S): Menzenbach, Bernd; Elger, Walter; Droescher, Peter;
Hillisch, Alexander; Kaufmann, Guenter; Schweikert,
Hans-Udo; Mueller, Gerd

PATENT ASSIGNEE(S): Jenapharm G.m.b.H. & Co. K.-G., Germany

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002019971	A1	20020314	WO 2001-EP9943	20010829
WO 2002019971	C2	20020808		

W: AE, AG, AU, BA, BB, BG, BR, CA, CN, CO, CR, CU, CZ, DM, DZ, EC,
EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LS,
MA, MG, MN, MX, NO, NZ, PL, SG, SK, TT, UA, US, UZ, VN, YU, ZA,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

Inventor

09963680

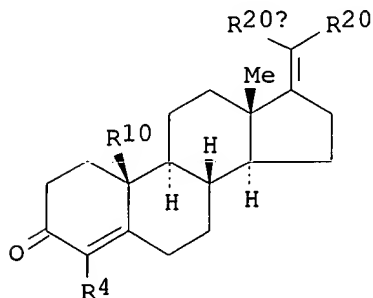
DE 10043846	A1	20020404	DE 2000-10043846	20000904
AU 2002010470	A5	20020322	AU 2002-10470	20010829
US 2002091112	A1	20020711	US 2002-963680	20020125
NO 2003000989	A	20030502	NO 2003-989	20030303

PRIORITY APPLN. INFO.:

DE 2000-10043846	A	20000904
US 2000-243281P	P	20001026
WO 2001-EP9943	W	20010829

OTHER SOURCE(S):
GI

CASREACT 136:247741; MARPAT 136:247741



I

AB The inventive compds., e.g. I [R4 = halogen, pseudohalogen (CN, N3); R10 = H, straight or branched C1-4-alkyl; R20, R20a = H, straight or branched C1-4-alkyl, hydroxy-C1-4-alkyl or one of R20, R20a = H, straight or branched C1-4-alkyl, hydroxy-C1-4-alkyl and the other is a halogen, pseudohalogen], have an active profile with a hybrid character of such that they act as inhibitors of the 5.alpha.-reductase and, at the same time, as gestagens. Thus, I (R4= R20 = Cl, R10 = H, R20a = H) was prepd. from 17.alpha.-(chloromethyl)-17-hydroxyestr-4-en-3-one via dehydration with SOCl2 in pyridine, regioselective epoxidn. and chlorination/dehydration. Said compds. are thus suited for treating medical disorders that, in men and women, are a result of an increased androgen level in certain organs and tissues. The inventive compds. combined with other hormonal substances such as estrogen, testosterone or a potent androgen are suited as contraceptives for women and men. Thus, I (R4= R20 = Cl, R10 = H, R20a = H) showed IC50 = 250 nM vs. 5.alpha.-reductase.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:459681 CAPLUS

DOCUMENT NUMBER: 113:59681

TITLE: Steroidal cyclobutanones. I. The synthesis and stereochemistry of steroidal spirocyclobutanones

AUTHOR(S): Paryzek, Zdzislaw; Blaszczyk, Krzysztof

CORPORATE SOURCE: Fac. Chem., Adam Mickiewicz Univ., Poznan, 60-780, Pol.

SOURCE: Liebigs Annalen der Chemie (1990), (7), 665-70

CODEN: LACHDL; ISSN: 0170-2041

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:59681

GI For diagram(s), see printed CA Issue.

AB Cycloaddn. of Cl₂C:CO to 3-, 7-, and 17-methylene steroids gave spirodichlorocyclobutanones, which were reduced to monochloro- and unsubstituted spirocyclobutanones. Selective cycloaddn. to the exo-double bond was obsd. in the reaction of 3.beta.-acetoxy-17-methylene-5-androstene giving cyclobutanone I (R = Cl) which was reduced to I (R = H). H₂O₂ oxidn. of I (R = H) gave the lactone II. The stereochem. of the spiro compds. was assigned on the basis of 1H- and 13C-NMR spectra.

L2 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:56425 CAPLUS

DOCUMENT NUMBER: 112:56425

TITLE: Preparation of 9.alpha.-hydroxy-17-methylene steroids as intermediates for corticosteroids

INVENTOR(S): Batist, Jacobus Nicolaas Maria; Marx, Arthur Friedrich

PATENT ASSIGNEE(S): Gist-Brocades N. V., Neth.

SOURCE: Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 336521	A1	19891011	EP 1989-200891	19890407
EP 336521	B1	19920401		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
WO 8909781	A1	19891019	WO 1989-NL20	19890407
W: AU, DK, FI, HU, JP, KR, NO, US				
AU 8934313	A1	19891103	AU 1989-34313	19890407
AU 618350	B2	19911219		
HU 55411	A2	19910528	HU 1989-2602	19890407
HU 208437	B	19931028		
JP 03503645	T2	19910815	JP 1989-504593	19890407
AT 74363	E	19920415	AT 1989-200891	19890407
ES 2033516	T3	19930316	ES 1989-200891	19890407
IL 89880	A1	19940624	IL 1989-89880	19890407
CN 1036774	A	19891101	CN 1989-102092	19890408
CN 1032211	B	19960703		
CA 1332409	A1	19941011	CA 1989-596257	19890410
NO 8904898	A	19891206	NO 1989-4898	19891206
DK 9002408	A	19901005	DK 1990-2408	19901005
NO 9004333	A	19901203	NO 1990-4333	19901005
US 5194602	A	19930316	US 1990-474852	19901212
CN 1141301	A	19970129	CN 1995-120256	19951124

PRIORITY APPLN. INFO.: EP 1988-200675 19880408
EP 1989-200891 19890407
WO 1989-NL20 19890407

OTHER SOURCE(S): MARPAT 112:56425

GI For diagram(s), see printed CA Issue.

AB The title compds. [I; R₁ = H, halo, cyano, isocyano, HCONH, alkoxy; R₂ = NO₂, Me, alkoxycarbonyl, hydroxymethyl, alkylcarbonyloxymethyl; R₃ = H; R₄ = H, OH, Me; or R₃R₄ = CH₂; the steroid nucleus may contain double bonds and further substituents; exception being 9.alpha.,21-dihydroxypregna-

4,17(20)-diene-3,11-dione and its 21-acetate], useful as intermediate for corticosteroid, are prepd. 3,3-(Ethylenedioxy)-9.alpha.-hydroxyandrost-5-en-17-one was refluxed with MeNO₂ in H₂NCH₂CH₂NH₂ for 24 h to give 3,3-(ethylenedioxy)-17-(nitromethylene)androst-5-en-9.alpha.-ol.

L2 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1981:462492 CAPLUS

DOCUMENT NUMBER: 95:62492

TITLE: D-Homo steroids from oxidation of 17-methylene steroids by thallium(III) nitrate

AUTHOR(S): Forcellese, Maria Luigia; Camerini, Elio; Ruffini, Bruna; Mincione, Enrico

CORPORATE SOURCE: Cent. Stud. Chim. Sostanze Org. Nat., CNR, Italy

SOURCE: Journal of Organic Chemistry (1981), 46(16), 3326-8
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Thallium (III)-nitrate reacts with 17-methylene steroids to form D-homo-17.alpha.-methoxy-17a-oxo compds. via ring enlargement, enolization, oxythallation, and methanolysis.

L2 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1977:140337 CAPLUS

DOCUMENT NUMBER: 86:140337

TITLE: Single and triple Vilsmeier formylation of 17-methylene steroids

AUTHOR(S): Dauphin, G.; Planat, D.

CORPORATE SOURCE: Equipe Rech. Assoc. CNRS No. 392, Univ. Clermont, Aubiere, Fr.

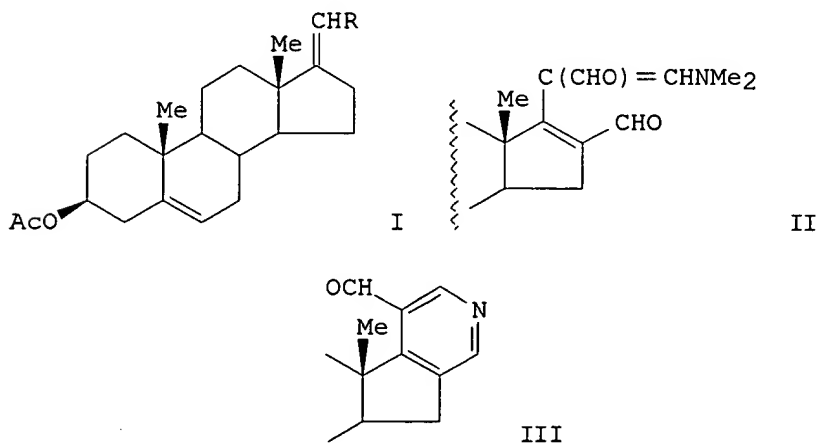
SOURCE: Tetrahedron Letters (1976), (45), 4065-8

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: French

GI



AB The androstene I (R = H) with DMF-POCl₃ in the ratios 1:15 and 1:1.5 for 15 and 1 day, resp. gave 50% 20Z-pregnatriene II and 40% 17(20)-E-pregnadiene I (R = CHO), resp. Analogous products were derived from the 5.alpha.-H-5,6-dihydro analog of I(R = H). II and its 5,6-dihydro analog with ethanolic NH₃ gave 80-90% pyridoandrostanes III.

L2 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1976:165101 CAPLUS

DOCUMENT NUMBER: 84:165101

TITLE: Oxidation of **17-methylene steroids** by thallium(III) and mercury(II) acetates

AUTHOR(S): Ortar, G.; Arpiani, M. P.; Romeo, A.

CORPORATE SOURCE: Cent. Stud. Chim. Farm., Cons. Naz. Ric., Rome, Italy

SOURCE: Steroids (1976), 27(2), 197-203

CODEN: STEDAM; ISSN: 0039-128X

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The reaction of 17-methyleneandrostanes with Tl(OAc)₃ in hot AcOH resulted in the formation of a mixt. of allylic compds. Oxymercuration in Me₃COH followed by reductive demercuration gave 17-methylene-16.beta.-hydroxyandrostanes as the major products.

L2 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1961:144432 CAPLUS

DOCUMENT NUMBER: 55:144432

ORIGINAL REFERENCE NO.: 55:27433f-h

TITLE: 16.alpha.-Monohalomethyl steroids

INVENTOR(S): Kaspar, Emanuel; Wiechert, Rudolf; Schenck, Martin

PATENT ASSIGNEE(S): Schering Akt.-Ges

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1096903		19610112	DE	
GB 937616			GB	
US 3232961		1966	US	

AB **16,17-Methylene steroids** of the 20-oxopregnane series were treated with a hydrohalide to give the title compds., useful as pharmaceuticals and intermediates in the manuf. of such. Thus, 200 mg. 16,17-methylene-5.alpha.-pregnan-3.beta.-ol-20-one in 20 cc. CH₂Cl₂ was satd. with gaseous HBr, the mixt. kept 30 min. at room temp., washed, dried, and concd. to give 16.alpha.-bromomethyl-5.alpha.-pregnan-3.beta.-ol-20-one, m. 169 70.degree. (iso-Pr₂O), [.alpha.]_D²⁰ 55.degree.. Similarly were prepd.: 16.alpha.-chloromethyl-5.alpha.-pregnan-3.beta.-ol-20-one, m. 174-5.degree. (hexane), [.alpha.]_D²⁸ 58.degree.; 16.alpha.-iodomethyl-5.alpha.-pregnan-3.beta.-ol-20-one [3-formate m. 138-9.degree. (iso-Pr₂O), [.alpha.]_D²⁵ 32.5.degree.]; 16.alpha.-iodomethyl-5-pregnan-3.beta.-ol-20-one [3-formate m. 141-4.degree. (MeOH), [.alpha.]_D²⁶ 9.1.degree.]; 16.alpha.-chloromethyl-5-pregnen-3.beta.-ol-20-one, m. 184-6.5.degree. (iso-Pr₂O).

=> logoff

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
33.65	33.86

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.56	-4.56

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